Index of Claims

|  | A | pp | li | ca | tic | n/ | Co | ntı | ol | No. |  |
|--|---|----|----|----|-----|----|----|-----|----|-----|--|
|--|---|----|----|----|-----|----|----|-----|----|-----|--|

10/808,901

Examiner

Yaritza Guadalupe McCall

Applicant(s)/Patent under Reexamination

SIELEMANN, ULRICH

Art Unit

2859

| 1  | Rejected |
|----|----------|
| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| 2 | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Claim Date                                      |          |              |          | CI   | Claim Date |          |          |          |                 |          |          | 7          | C              | aim             | Date  |          |              |            |                         |          |              |            |          |                 |          |                |          |          |          |          |               |
|---|----------|--------------|----------|--|------------|----------|----------|----------|-----------------|----------|----------|------------|----------------|-----------------|---|----------|--------------|------------|-------------------------|----------|--------------|------------|----------|-----------------|----------|----------------|----------|----------|----------|----------|---------------|
| <del>                                    </del> |          |              |          |  |            |          |          |          |                 |          |          |            |                |                 |   |          |              | Т          | Т                       | Ť        | T            | <u>,</u>   | $\top$   | $\neg$          | ᅱ        |                |          |          |          |          |               |
| <del> </del>                                    | Original | Ø            |          |  | 1          |          |          |          |                 |          | - m      | Original   |                |                 |   |          |              |            |                         | - 1      | <del>-</del> | Original   |          |                 |          |                |          | Ì        |          | ı        |               |
| Final   | īġi      | 9            |          |  |            |          |          |          |                 |          | Final    | <u>:</u> g |                | li              |   |          |              |            |                         |          | Final        | ıġi        |          |                 |          |                |          |          |          |          |               |
| -   | ō        | 119          |          |  |            |          |          |          |                 |          | "        | Õ          |                |                 | -   |          |              |            |                         | ı        | "            | Õ          |          |                 |          |                | - 1      |          |          | İ        |               |
| $\vdash$  | 1        | 7            |          |  |            |          |          | -        | H               | ┪        | Ė        | 51         |                | H               | Ŧ   | +        | ╁            | +          | 1                       | ┪        | -            | 101        |          | $\vdash$        | 7        | 7              | $\dashv$ | $\dashv$ | +        | 十        | ᅥ             |
| <del></del>                                     | 2        | 7            |          | _  | $\dashv$   | Н        | $\neg$   |          | H               | $\dashv$ |          | 52         | +              | $\vdash$        | $\dashv$  | +        | +            | +-         | 1 +                     | _        | -            | 102        |          | +               | +        | -              | 寸        | $\dashv$ | $\dashv$ | $\dashv$ | ㅓ             |
|   | 3        | 7            | -        |  | $\dashv$   |          |          |          | Н               | ᅥ        |          | 53         |                |                 | $\top$  | +        | +            | +          | 1 1                     | ┪        |              | 103        |          | $\vdash$        | $\dashv$ | _              | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
| 1   | 4        | ٥            |          |  |            |          |          |          | H               | $\dashv$ |          | 54         |                |                 | $\dashv$  | +        | ╅            | _          |                         | ┪.       | $\vdash$     | 104        | $\neg$   | $\Box$          | 一        | 一              |          | 1        | 十        | 7        | $\neg$        |
|   | 5        | ٥            |          |  |            |          |          |          | Н               | ヿ        |          | 55         |                | П               | $\top$  | 十        | +            | $\top$     | $\Box$                  | _        |              | 105        |          | $\vdash$        | 7        | _              |          | 寸        | 十        | 寸        | $\neg$        |
|   | 6        | 1            |          | _  |            | П        |          | Н        | $\Box$          | ╗        |          | 56         | T              | $\Box$          | $\top$  | 十        | $\top$       | 1          | $\Box$                  | 7        |              | 106        |          |                 | _        | 7              |          | 寸        | 十        | 7        | $\neg$        |
|   | 7        | 0            |          |  |            |          |          |          | П               | ╗        |          | 57         | T              |                 | T   | 十        | T            | 1          |                         | 7        |              | 107        |          | $\Box$          |          | ┪              | T        | 寸        | 十        | 寸        | $\neg$        |
|   | 8        | 0            |          |  |            |          |          |          | П               | П        |          | 58         |                | П               | 寸   | 十        | $\top$       | 1          | $\Box$                  | _        |              | 108        |          |                 | 寸        | 寸              | $\neg$   | 寸        | 丁        | ヿ        |               |
|   | 9        | ٥            |          |  |            |          |          |          | П               | ┑        |          | 59         | $\top$         |                 | 寸   | 十        |              |            | П                       | <b>1</b> |              | 109        |          | H               | $\neg$   | 寸              | 一        |          | ヿ        | 7        |               |
|   | 10       | 0            |          |  |            |          |          |          | П               | $\neg$   |          | 60         | T              | П               | T   | 十        |              | 1          | $\Box$                  |          |              | 110        |          |                 | 寸        | $\neg \dagger$ | T        | T        | $\neg$   | ヿ        |               |
|   | 11       | 0            |          |  |            |          |          |          | П               |          |          | 61         |                | П               | T   | T        |              |            |                         |          |              | 111        |          |                 | ヿ        | $\Box$         | П        |          | $\Box$   | $\Box$   |               |
|   | 12       | 1            |          |  |            |          |          |          |                 |          |          | 62         |                |                 |   |          |              | Ι          |                         |          |              | 112        |          |                 |          |                |          |          |          | $\Box$   |               |
|   | 13       | 7            |          |  |            |          |          |          |                 |          |          | 63         |                |                 |   | $\prod$  | $oxed{\Box}$ |            |                         |          |              | 113        |          |                 |          |                |          |          |          | ·        |               |
|   | 14       |              |          |  |            |          |          |          |                 | $\Box$   |          | 64         |                |                 | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\perp$  | $\perp$      |            |                         |          |              | 114        |          |                 |          |                |          | $\Box$   | $\perp$  | $\Box$   |               |
|   | 15       |              |          |  |            |          |          |          |                 |          |          | 65         |                | $\square$       | $\Box$  |          | $\perp$      |            | $\square$               | $\Box$   |              | 115        |          |                 | J        |                |          |          | $\perp$  | $\Box$   |               |
|   | 16       |              |          |  |            |          |          |          | $\square$       | $\Box$   |          | 66         | $\prod$        | Ш               | $\perp$   | $\perp$  |              | <u> </u> - | $\Box$                  |          |              | 116        |          | Ц               | $\Box$   |                | [        | $\perp$  | $\perp$  | $\Box$   |               |
|   | 17       |              |          |  |            |          |          |          |                 | ╝        |          | 67         | <u> </u>       | Ш               | ightharpoonup   |          | $\perp$      |            | Ш                       | _        |              | 117        |          | Ш               | $\Box$   |                | ļ        |          | ᆚ        | $\dashv$ | _             |
|   | 18       |              |          |  |            |          |          |          | Ш               |          | L        | 68         |                |                 |   | $\perp$  |              |            | Ш                       |          |              | 118        | Щ        | Ш               | $\perp$  |                |          |          | _        | _        |               |
|   | 19       | Щ            |          |  |            | L        |          |          | Ш               |          |          | 69         | Щ              | Ш               | _   |          | ᆚ            |            | Ш                       | _        |              | 119        |          |                 | _        | _              | _        | _        | 4        | _        | _             |
|   | 20       | L            |          |  | Щ          | Ш        |          |          | Ш               |          |          | 70         |                | $\sqcup$        | _   | _        | _            | ┸          | Ш                       |          | L            | 120        |          | LJ.             |          | _              | _        | _        | _        | _        |               |
|   | 21       |              |          |  |            | Ш        |          |          | Ш               | _        |          | 71         | ┺              | Ш               | $\dashv$  | $\bot$   | $\perp$      | 1_         | $\sqcup$                |          |              | 121        |          | $\sqcup$        | _        | _              | _        | _        | $\dashv$ | _        |               |
|   | 22       |              |          |  |            | Щ        |          |          | Ш               | _        |          | 72         | ↓_             | Ш               | 4   | 4        | _            | 1          | $\sqcup$                | _        |              | 122        |          | $\sqcup$        | _        | _              | _        | _        | $\dashv$ | _        | _             |
|   | 23       |              |          |  |            | Щ        |          | _        | Ц               | _        |          | 73         | <del> </del> _ | $\square$       | 4   | 4        | 4            | $\bot$     | $\sqcup$                | _        |              | 123        |          | $\sqcup$        | _        | _              | _        | _        | 4        | _        | _             |
|   | 24       | Ш            |          |  |            | Щ        |          | _        |                 | 4        |          | 74         | ╄              |                 | _   | $\perp$  | 4            | -          | 1                       |          |              | 124        |          | $\vdash \vdash$ | _        | _              | 4        | _        | 4        |          | _             |
|   | 25       | <u> </u>     |          |  |            | Щ        |          | Ь.       | Ш               | _        |          | 75         | ╄-             |                 | -   | +        | +            | ┿          | Н                       | 4        | <b> </b>     | 125        |          | $\vdash$        |          |                |          | -        | +        | 4        | _             |
|   | 26       | L            | _        | $\vdash$   |            | $\vdash$ | Щ        | _        | $\sqcup$        | _        |          | 76         | ╁              | $\vdash$        | _   | +        | +            | +-         | ₩                       | _        | <u> </u>     | 126        | <u> </u> |                 | _        | _              | -        | $\dashv$ | $\dashv$ | 4        |               |
|   | 27       | <u> </u>     | _        |  |            | Н        |          | L        | $\vdash$        |          | -        | 77         | +              |                 | _   | +        | -            | +-         | 11                      |          |              | 127        | $\vdash$ | $\vdash$        | -        | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$ | -        |               |
|   | 28       |              | _        |  | _          | <u> </u> | _        |          | $\vdash \vdash$ | 4        |          | 78         | ┼              |                 | $\dashv$  | +        | +            | ╫          | ╀                       | -        |              | 128        | <u> </u> | ┰               | -        |                | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$      |
|   | 29       |              | _        |  | _          | $\vdash$ | _        | <u> </u> | Н               | $\dashv$ | -        | 79         | +-             | $\vdash$        | $\dashv$  | +        | +            | +          | $\vdash$                |          |              | 129<br>130 | -        | ┝╌┼             |          | $\dashv$       | -        | -        | -        | $\dashv$ | -             |
|   | 30<br>31 | _            |          | _  | _          | H        | _        | _        | Н               | 4        | -        | 80<br>81   | ╁              | ⊢∔              | $\dashv$  | +        | +            | +          | $\vdash$                | -        | -            | 131        | $\vdash$ | $\vdash$        | -        |                | $\dashv$ | $\dashv$ | $\dashv$ |          |               |
|   | 32       | ⊢            |          |  |            |          |          |          | Н               | $\dashv$ |          | 82         | +              | $\vdash$        | -   | +        |              | +          | ₩                       | $\dashv$ |              | 132        | $\vdash$ | ⊢⊹              | $\dashv$ | -              | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
|   | 33       | ⊢            |          | -  |            | Н        | -        | -        | $\vdash$        |          |          | 83         | ╁              | H               | $\dashv$  | $\dashv$ | +            | +          | ╁                       |          | <b></b>      | 133        | H        | ╌┼              | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
|   | 34       | $\vdash$     | <u> </u> | H  | H          | $\vdash$ | H        | -        | $\vdash \vdash$ | $\dashv$ | <b>—</b> | 84         | +              | $\vdash$        | $\dashv$  | +        | +            | ╁          | +                       | $\dashv$ | <b></b>      | 134        | $\vdash$ | $\vdash \vdash$ | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
|   | 35       | $\vdash$     | -        | -  | $\vdash$   | $\vdash$ | H        | $\vdash$ | $\vdash$        | $\dashv$ | <u> </u> | 85         | +-             | $\vdash \vdash$ | $\dashv$  | +        | +            | +          | +                       | $\dashv$ | $\vdash$     | 135        | $\vdash$ | $\vdash \vdash$ | -        | -              |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
| ┝╌┼   | 36       | $\vdash$     | $\vdash$ | H  | $\vdash$   | $\vdash$ | H        | $\vdash$ | Н               | $\dashv$ |          | 86         | +              | H               | $\dashv$  | $\dashv$ | +            | +          | $\vdash$                | $\dashv$ | $\vdash$     | 136        | $\vdash$ | $\vdash$        | ┥        | +              | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
|   | 37       | $\vdash$     | -        | -  |            | -        | -        | $\vdash$ | $\vdash$        | $\dashv$ |          | 87         | +              | H               | $\dashv$  | ╅        | ╅            | +-         | 1 1                     | -        | -            | 137        | -        | Н               | -        | -              | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$      |
|   | 38       | <del> </del> | $\vdash$ |  | $\vdash$   |          | -        |          | $\vdash$        | $\dashv$ | -        | 88         | +-             | Н               | +   | $\dashv$ | +            | +          | $\vdash$                | $\dashv$ | $\vdash$     | 138        | $\vdash$ | $\vdash$        | $\dashv$ | ᅥ              | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
|   | 39       | $\vdash$     |          | $\vdash$   |            | H        |          | $\vdash$ | $\vdash$        | $\dashv$ |          | 89         | +              | H               | $\dashv$  | $\dashv$ | +            | +          | $\dagger \lnot \dagger$ | $\dashv$ |              | 139        |          | $\vdash$        | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -             |
|   | 40       | $\vdash$     |          |  | $\vdash$   | Н        |          | $\vdash$ | $\vdash$        | $\dashv$ | -        | 90         | T              | $\vdash \vdash$ | $\dashv$  | +        | +            | +          | <del>   </del>          | $\dashv$ |              | 140        |          | $\vdash$        | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
|   | 41       | ╁            | _        | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ |          | H               | $\dashv$ |          | 91         | T              | Н               | +   | $\dashv$ | +            | +          | $\vdash$                | $\dashv$ |              | 141        | $\vdash$ | $\vdash$        | 一        | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
|   | 42       | H            |          |  | Н          | Н        | $\vdash$ |          | Н               | $\dashv$ | <b>-</b> | 92         | T              | H               | $\dashv$  | _        | +            | $\dagger$  | †=†                     | $\dashv$ |              | 142        | $\vdash$ | $\vdash$        | ᅥ        | 一              |          |          | $\dashv$ | $\dashv$ | $\neg$        |
|   | 43       | T            | Т        | <del>  -                                    </del> | М          | H        |          | H        | Н               | $\neg$   |          | 93         |                | $\Box$          | 十   | 十        | $\top$       | T          | H                       | $\dashv$ |              | 143        | $\Box$   | $\vdash$        | $\dashv$ | 一              | $\neg$   | $\dashv$ | 十        | $\dashv$ | $\dashv$      |
|   | 44       | ┢            | Т        | _  |            | П        | П        | Т        | П               | $\dashv$ |          | 94         |                | П               | _   | 十        | $\top$       | T          | $T^{\dagger}$           | ヿ        |              | 144        |          | $\sqcap$        | 一        | 一              | $\neg$   |          | $\dashv$ | ╛        | $\neg$        |
|   | 45       | Г            | Г        |  |            |          |          | T        | П               | ヿ        |          | 95         |                | П               | 寸   | 十        | $\top$       | T          | $\sqcap$                | ヿ        |              | 145        |          | П               | _        | 一              |          |          | $\dashv$ | ヿ        | $\neg$        |
|   | 46       | <u> </u>     |          |  |            | Т        |          | $\vdash$ | П               | ヿ        |          | 96         |                | $\sqcap$        | _   | $\top$   | $\top$       | 1          | 1 1                     | ╗        |              | 146        |          | $\Box$          |          | $\neg$         |          |          | $\dashv$ | コ        | $\neg$        |
|   | 47       |              | Г        | Г  |            | П        |          |          | П               | $\neg$   |          | 97         |                | П               | 寸   | 十        | $\top$       | Τ          | $\sqcap$                | $\neg$   |              | 147        | П        | П               | $\dashv$ |                |          |          | $\dashv$ | ヿ        | $\overline{}$ |
|   | 48       | Г            |          |  |            |          |          |          | П               | ヿ        |          | 98         | Т              | П               | $\dashv$  | ヿ        | 十            | T          | 1 1                     | $\neg$   |              | 148        | Г        | П               | 一        | $\neg$         |          | $\Box$   | ヿ        | $\neg$   |               |
|   | 49       |              |          |  |            |          | Γ        | Γ        | П               | $\neg$   |          | 99         | T              | $\Box$          | $\dashv$  | $\dashv$ | $\top$       | T          | П                       | $\neg$   |              | 149        | Г        | П               |          | 一              |          |          | ヿ        | $\dashv$ | $\neg$        |
|   | 50       |              |          |  |            |          |          |          | П               | $\neg$   |          | 100        |                | П               | $\neg$  | T        | T            | T          | П                       | 7        |              | 150        |          | П               |          |                |          |          | 7        | $\Box$   |               |